

**FLOTATION METHOD OF PULVERIZED COAL, PULVERIZED COAL SURFACE MODIFICATION APPARATUS, AND FLOTATION SYSTEM OF PULVERIZED COAL**

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**Applicant:** MITSUI SHIPBUILDING ENG

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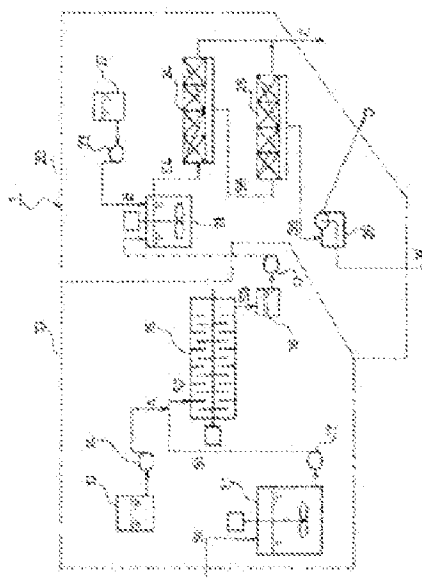
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Abstract of **JP2004141797**

**PROBLEM TO BE SOLVED:** To provide a floatation method or the like of pulverized coal capable of imparting floating a property even to pulverized coal whose bonding force to oil drops is weak, that is  $[H/C \times 100]$  value is  $\leq 80$ , to be impossible to apply the floatation method heretofore thereby applying the floatation method, and reducing the quality of oil to be used in a pulverized coal precipitation.

**SOLUTION:** The floatation method of coal for recovering the pulverized coal (c) from coal slurry S2 containing fine powdery coal having  $[H/C \times 100]$  value of 0-80 and  $\leq 0.5$  mm particle diameter is constituted so as to include a oil addition process for adding floatation oil A to the coal slurry S2, a shearing process for rapidly stirring the coal slurry S2 to impart a shearing force to the pulverized coal and the oil drops (a) of the floatation oil A and a floatation process for floating the pulverized coal (c) after the shearing process to clean and recover.

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